L3 ANSWER 64 OF 83 CA COPYRIGHT 2005 ACS on STN
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TI Gelled foam **compositions**, and their manufacture and use
IN Colegrove, George; Rakitsky, Walter
PA Merck and Co., Inc., USA
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ICI C08L005-00, C08L089-00; C08L005-04, C08L005-00
CC 58-1 (Cement, Concrete, and Related Building Materials)
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PI	EP 537999	A2	19930421	EP 1992-309347	19921014
	EP 537999	A3	19930915		
	R: CH, DE, FR, GB, IT, LI, NL				
	CA 2080035	AA	19930416	CA 1992-2080035	19921007
	JP 05214156	A2	19930824	JP 1992-277127	19921015
PRAI	US 1991-776156	A	19911015		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 537999	ICM	C08L005-00
	ICS	C08L005-04; C08J009-30; B09B001-00; C04B040-00
	ICI	C08L005-00, C08L089-00; C08L005-04, C08L005-00

AB The foams comprise .gtoreq.1 polysaccharides selected from: natural algal- or microbially produced alginates, xanthan gum, welan gum, rhamsan gum, and their functionally equiv. derivs.; a polyvalent ionic complexing agent; and a synthetic and natural org. surface-active foaming agent; and water. The foams are manufd. by introducing air into an aq. soln. of the above components and agitating. These stable foams are used for **covering landfills** and fresh **cement** compns. to prevent evapn., and can easily be washed away. A formulation consisting of Na alginate 10, CaSO4 2.2, Na lauryl sulfate 2.0, Na hexametaphosphate 0.4, and water 1985.4 g, was mixed for 15 min, and foamed to give a foam that gelled to produce a wind-resistant surface film.
ST polysaccharide foam coating **cement landfill**; alginate foam coating **cement landfill**; polyvalent ionic complexing agent foam; surfactant foaming agent foam
IT Chelating agents

- gum
- polymr
- Ca sulfate